

## INTERNATIONAL SEARCH REPORT

Int'l Application No  
F01/NL2004/000046

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K31/13 A61K31/688 A61P43/00 A23L1/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K A61P A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, SCISEARCH, EMBASE, MEDLINE, BIOSIS, EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VESPER, H., ET AL.: "Sphingolipids in Food and the Emerging Importance of Sphingolipids to Nutrition" JOURNAL OF NUTRITION, vol. 129, 1999, pages 1239-1250, XP008000798 page 1246, column 2, paragraph 2	1-12
A	FANTINI, J., ET AL.: "Synthetic Soluble Analogs of Galactosylceramide (GalCer) Bind to the V3 Domain of HIV-1 gp120 and Inhibit HIV-1-induced Fusion and Entry" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 272, no. 11, 1997, pages 7245-7252, XP002253228 the whole document	1-12



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## • Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

21 April 2004

Date of mailing of the international search report

28/05/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RUEDA, R., ET AL.: "Addition of gangliosides to an adapted milk formula modifies levels of fecal Escherichia coli in preterm newborn infants" J. PEDIATR., vol. 133, 1998, pages 90-94, XP008000724 the whole document ---	1-12
A	MERRILL JR A H ET AL: "Role of dietary sphingolipids and inhibitors of sphingolipid metabolism in cancer and other diseases" JOURNAL OF NUTRITION 1995 UNITED STATES, vol. 125, no. 6 SUPPL., 1995, pages 1677S-1682S, XP008021437 ISSN: 0022-3166 page 1679S, column 2, paragraph 3 ---	1-12
A	BIBEL D J ET AL: "ANTIMICROBIAL ACTIVITY OF SPHINGOSINES" JOURNAL OF INVESTIGATIVE DERMATOLOGY, vol. 98, no. 3, 1992, pages 269-273, XP008021438 ISSN: 0022-202X the whole document ---	1-12
A	FR 2 820 037 A (DERMACONCEPT JMC) 2 August 2002 (2002-08-02) claims 1-4 ---	1-12
A	CHUNG N ET AL: "Phytosphingosine as a specific inhibitor of growth and nutrient import in <i>Saccharomyces cerevisiae</i> ." THE JOURNAL OF BIOLOGICAL CHEMISTRY. UNITED STATES 21 SEP 2001, vol. 276, no. 38, 21 September 2001 (2001-09-21), pages 35614-35621, XP002277503 ISSN: 0021-9258 abstract ---	1-12

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NL2004/000046

### Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 1-5 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of Invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple Inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**International Application No  
**PCT/NL2004/000046**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2820037 A	02-08-2002 FR	2820037 A1 2820038 A1	02-08-2002 02-08-2002